

## EAST Search History

| Ref # | Hits | Search Query                       | DBs                | Default Operator | Plurals | Time Stamp       |
|-------|------|------------------------------------|--------------------|------------------|---------|------------------|
| L1    | 6    | "779419".ap.                       | US-PGPUB;<br>USPAT | ADJ              | ON      | 2008/01/30 11:13 |
| L2    | 0    | high throughput and fuel screening | US-PGPUB;<br>USPAT | ADJ              | ON      | 2008/01/30 11:30 |
| L3    | 0    | high throughput and fuel testing   | US-PGPUB;<br>USPAT | ADJ              | ON      | 2008/01/30 11:30 |
| L4    | 115  | fuel testing                       | US-PGPUB;<br>USPAT | ADJ              | ON      | 2008/01/30 11:30 |
| L5    | 11   | fuel screening                     | US-PGPUB;<br>USPAT | ADJ              | ON      | 2008/01/30 11:30 |
| L6    | 4372 | fuel additive                      | US-PGPUB;<br>USPAT | ADJ              | ON      | 2008/01/30 11:31 |
| L7    | 45   | l6 and high throughput             | US-PGPUB;<br>USPAT | ADJ              | ON      | 2008/01/30 11:31 |
| L8    | 2347 | l6 and (residue or deposit)        | US-PGPUB;<br>USPAT | ADJ              | ON      | 2008/01/30 11:35 |
| L9    | 392  | l8 and (fuel additive).ab.         | US-PGPUB;<br>USPAT | ADJ              | ON      | 2008/01/30 11:35 |
| L10   | 374  | l9 and (temperature or heat)       | US-PGPUB;<br>USPAT | ADJ              | ON      | 2008/01/30 11:36 |
| L11   | 16   | l9 and (weight loss)               | US-PGPUB;<br>USPAT | ADJ              | ON      | 2008/01/30 11:36 |
| L12   | 0    | l9 and (mass loss)                 | US-PGPUB;<br>USPAT | ADJ              | ON      | 2008/01/30 11:36 |
| L13   | 0    | l9 and (loss of mass)              | US-PGPUB;<br>USPAT | ADJ              | ON      | 2008/01/30 11:37 |
| L14   | 3    | l9 and gravimetric                 | US-PGPUB;<br>USPAT | ADJ              | ON      | 2008/01/30 11:39 |
| L15   | 1    | "5254183".pn.                      | US-PGPUB;<br>USPAT | ADJ              | ON      | 2008/01/30 11:41 |
| L16   | 1    | l15 and gravimetric                | US-PGPUB;<br>USPAT | ADJ              | ON      | 2008/01/30 11:41 |
| L17   | 1    | l16 and leco                       | US-PGPUB;<br>USPAT | ADJ              | ON      | 2008/01/30 11:41 |
| L18   | 1    | "20020090320".pn.                  | US-PGPUB;<br>USPAT | ADJ              | ON      | 2008/01/30 12:42 |
| L19   | 2    | "5399178".pn. or "5306315".pn.     | US-PGPUB;<br>USPAT | ADJ              | ON      | 2008/01/30 14:10 |
| L20   | 2    | l19 and ml                         | US-PGPUB;<br>USPAT | ADJ              | ON      | 2008/01/30 14:10 |
| L21   | 0    | l6 and microvolume                 | US-PGPUB;<br>USPAT | ADJ              | ON      | 2008/01/30 14:17 |

## EAST Search History

|     |       |   |                    |     |    |                  |
|-----|-------|---|--------------------|-----|----|------------------|
| L22 | 322   | l6 and "10 ml"                                | US-PGPUB;<br>USPAT | ADJ | ON | 2008/01/30 14:17 |
| L23 | 134   | l22 and deposit                               | US-PGPUB;<br>USPAT | ADJ | ON | 2008/01/30 14:17 |
| L24 | 1739  | l6 and deposit                                | US-PGPUB;<br>USPAT | ADJ | ON | 2008/01/30 14:21 |
| L25 | 20    | l24 and small volume                          | US-PGPUB;<br>USPAT | ADJ | ON | 2008/01/30 14:21 |
| L26 | 7     | l6 and microanalysis                          | US-PGPUB;<br>USPAT | ADJ | ON | 2008/01/30 14:25 |
| L27 | 4     | l6 and microarray                             | US-PGPUB;<br>USPAT | ADJ | ON | 2008/01/30 14:27 |
| L28 | 51    | l6 and microtiter                             | US-PGPUB;<br>USPAT | ADJ | ON | 2008/01/30 14:27 |
| L29 | 51    | l28 and ("fuel additive" or "fuel additives") | US-PGPUB;<br>USPAT | ADJ | ON | 2008/01/30 14:28 |
| L30 | 2     | fuel analysis and high throughput             | US-PGPUB;<br>USPAT | ADJ | ON | 2008/01/30 14:29 |
| L31 | 461   | fuel deposit                                  | US-PGPUB;<br>USPAT | ADJ | ON | 2008/01/30 14:30 |
| L32 | 1     | l31 and high throughput                       | US-PGPUB;<br>USPAT | ADJ | ON | 2008/01/30 14:30 |
| L33 | 0     | fuel deposit array                            | US-PGPUB;<br>USPAT | ADJ | ON | 2008/01/30 14:30 |
| L34 | 5     | fuel deposit same array                       | US-PGPUB;<br>USPAT | ADJ | ON | 2008/01/30 14:31 |
| L35 | 77    | microgravimetric                              | US-PGPUB;<br>USPAT | ADJ | ON | 2008/01/30 15:00 |
| L36 | 4     | microgravimetric analysis                     | US-PGPUB;<br>USPAT | ADJ | ON | 2008/01/30 15:00 |
| L37 | 0     | micro thermal gravimetric analysis            | US-PGPUB;<br>USPAT | ADJ | ON | 2008/01/30 15:00 |
| L38 | 0     | micro tga                                     | US-PGPUB;<br>USPAT | ADJ | ON | 2008/01/30 15:03 |
| L39 | 0     | microtga                                      | US-PGPUB;<br>USPAT | ADJ | ON | 2008/01/30 15:03 |
| L40 | 2083  | thermal gravimetric analysis                  | US-PGPUB;<br>USPAT | ADJ | ON | 2008/01/30 15:03 |
| L41 | 22    | l40 and l6                                    | US-PGPUB;<br>USPAT | ADJ | ON | 2008/01/30 15:04 |
| L42 | 26985 | thermal gravimetric analysis or tga           | US-PGPUB;<br>USPAT | ADJ | ON | 2008/01/30 15:05 |
| L43 | 77    | l42 and l6                                    | US-PGPUB;<br>USPAT | ADJ | ON | 2008/01/30 15:06 |

## EAST Search History

|     |        |   |                    |     |    |                  |
|-----|--------|---|--------------------|-----|----|------------------|
| L44 | 11     | l43 and (tga same ml)   | US-PGPUB;<br>USPAT | ADJ | ON | 2008/01/30 15:06 |
| L45 | 118    | (thermal gravimetric analysis or tga) same (sample size)  | US-PGPUB;<br>USPAT | ADJ | ON | 2008/01/30 15:06 |
| L46 | 31     | (thermal gravimetric analysis or tga) same (sample size) same ml  | US-PGPUB;<br>USPAT | ADJ | ON | 2008/01/30 15:07 |
| L47 | 32     | (thermogravimetric analysis or tga or thermal gravimetric or thermalgravimetric) same (sample size) same ml   | US-PGPUB;<br>USPAT | ADJ | ON | 2008/01/30 15:17 |
| L48 | 0      | (thermogravimetric analysis or tga or thermal gravimetric or thermalgravimetric) same (sample size) same fuel | US-PGPUB;<br>USPAT | ADJ | ON | 2008/01/30 15:18 |
| L49 | 163    | (thermogravimetric analysis or tga or thermal gravimetric or thermalgravimetric) same fuel                    | US-PGPUB;<br>USPAT | ADJ | ON | 2008/01/30 15:18 |
| L50 | 3      | (thermogravimetric analysis or tga or thermal gravimetric or thermalgravimetric) same fuel same ml            | US-PGPUB;<br>USPAT | ADJ | ON | 2008/01/30 15:18 |
| L51 | 4      | (thermogravimetric analysis or tga or thermal gravimetric or thermalgravimetric) same typical sample size     | US-PGPUB;<br>USPAT | ADJ | ON | 2008/01/30 15:19 |
| L52 | 282875 | predetermined value or predetermined threshold  | US-PGPUB;<br>USPAT | ADJ | ON | 2008/01/30 15:48 |
| L53 | 110    | l52 and l6  | US-PGPUB;<br>USPAT | ADJ | ON | 2008/01/30 15:49 |
| L54 | 492    | (predetermined value or predetermined threshold) same (combinatorial or library)                              | US-PGPUB;<br>USPAT | ADJ | ON | 2008/01/30 15:50 |
| L55 | 10     | l54 and fuel  | US-PGPUB;<br>USPAT | ADJ | ON | 2008/01/30 15:50 |
| L56 | 0      | (predetermined value or predetermined threshold) same (combinatorial or library) same (further testing)       | US-PGPUB;<br>USPAT | ADJ | ON | 2008/01/30 15:52 |
| L57 | 0      | (predetermined value or predetermined threshold) same (further testing)                                       | US-PGPUB;<br>USPAT | ADJ | ON | 2008/01/30 15:52 |
| L58 | 6      | l54 and decision tree   | US-PGPUB;<br>USPAT | ADJ | ON | 2008/01/30 15:52 |
| L59 | 0      | l54 and decission tree  | US-PGPUB;<br>USPAT | ADJ | ON | 2008/01/30 15:52 |
| L60 | 6      | l54 and decision tree   | US-PGPUB;<br>USPAT | ADJ | ON | 2008/01/30 15:53 |

## EAST Search History

|     |     |   |                 |     |    |                  |
|-----|-----|---|-----------------|-----|----|------------------|
| L61 | 343 | high throughput screening same (cutoff or threshold or predetermined)   | US-PGPUB; USPAT | ADJ | ON | 2008/01/30 15:54 |
| L62 | 10  | (high throughput screening) same (cutoff or threshold or predetermined) same (combinatorial same library)   | US-PGPUB; USPAT | ADJ | ON | 2008/01/30 15:55 |
| L63 | 0   | (high througput screening) same (cutoff or cut off or threshold or predetermined value) same (combinatorial same library)                               | US-PGPUB; USPAT | ADJ | ON | 2008/01/30 16:04 |
| L64 | 27  | (high througput or screening) same (cutoff or cut off or threshold or predetermined value) same (combinatorial same library)                            | US-PGPUB; USPAT | ADJ | ON | 2008/01/30 16:04 |
| L65 | 24  | l64 not l62   | US-PGPUB; USPAT | ADJ | ON | 2008/01/30 16:04 |
| L66 | 352 | (high througput or screening) same (cutoff or cut off or threshold or predetermined value) same (combinatorial or library)                              | US-PGPUB; USPAT | ADJ | ON | 2008/01/30 16:09 |
| L67 | 17  | (high througput or screening) same (cutoff or cut off or threshold or predetermined value) same (combinatorial or library) same computer                | US-PGPUB; USPAT | ADJ | ON | 2008/01/30 16:09 |
| L68 | 30  | (high througput or screening) same (cutoff or cut off or threshold or predetermined value) same (combinatorial or library) same (criteria or criterion) | US-PGPUB; USPAT | ADJ | ON | 2008/01/30 16:10 |